Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/28/2020 11:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124675	-1	2.37	124751	2.43
Blue	F	SSC	125000	123989	-1	2.57	124811	2.53
Blue	E	FITC	15892	15444	-3	3.07	337	20.64
Blue	D	PE	29999	29397	-3	2.27	641	15.48
Blue	B	PerCP-Cy5-5	43732	43576	-1	4.01	1173	21.44
Blue	A	PE-Cy7	30845	30887	0	6.31	588	43.08
Red	C	APC	46112	45103	-3	2.64	1608	12.07
Red	A	APC-Cy7	30458	29177	-5	2.52	778	11.91
Violet	B	V450	7918	7567	-5	4.21	434	13.45
Violet	A	V500	32171	30964	-4	3.90	728	10.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16827	9.86	636	15	N/A	N/A	Pass
Blue	F	SSC	56860	2.05	575	16	N/A	N/A	Pass
Blue	E	FITC	61	68.96	551	8	0.0198	226	Pass
Blue	D	PE	135	51.50	557	9	0.1448	262	Pass
Blue	B	PerCP-Cy5-5	216	51.70	665	9	0.0081	39	Pass
Blue	A	PE-Cy7	108	109.24	710	12	0.0099	22	Pass
Red	C	APC	389	25.61	589	5	0.0253	238	Pass
Red	A	APC-Cy7	172	29.45	559	3	0.0058	1435	Pass
Violet	B	V450	67	59.30	459	1	0.0443	1844	Pass
Violet	A	V500	109	34.97	475	1	0.0226	975	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.64	-32.19	1.04
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	16.10	13.60 - 20.40	N/A	N/A	29.60	30.04	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9557

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments